

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-22 are presently pending in this case. Claims 1, 5, 8, 11, 14, 17, and 20-22 are amended by the present amendment. As amended Claims 1, 5, 8, 11, 14, 17, and 20-22 are supported by the original disclosure,¹ no new matter is added.

In the outstanding Official Action, Claims 1-22 were rejected under 35 U.S.C. §103(a) as unpatentable over Farris et al. (U.S. Patent No. 6,154,207, hereinafter “Farris”) in view of Eyer et al. (U.S. Patent No. 5,982,445, hereinafter “Eyer”).

With regard to the rejection of Claim 1 as unpatentable over Farris in view of Eyer, that rejection is respectfully traversed.

Amended Claim 1 recites in part:

a multiplexer configured to multiplex a broadcast signal and multimedia data, said multimedia data described by a mark-up language and including ***broadcast program information, link location information, control signals providing display control to a receiver and control signals providing recording control to a recording medium onto which an image signal obtained from said broadcast signal is recorded;*** and
a transmitter configured to transmit said broadcast signal and said multimedia data multiplexed in said multiplexer to said receiver.

The outstanding Office Action apparently cited ASDL 905 of Farris as describing “a multiplexer” as defined in Claim 1, but also appeared to cite multiplexer 115 of Eyer for this feature. However, it is respectfully submitted that neither Farris nor Eyer teach or suggest “a multiplexer” as defined in amended Claim 1.

With respect to Farris, Farris describes an authoring tool which may be utilized by a user to eliminate undesired language from an audio source. A digital entertainment terminal

¹See, e.g., the specification at page 10, lines 1-5.

(DET) is provided to interact with service providers (VIPs) for the purpose of offering a wide array of video and interactive multi-media services.² The DET may download application software and/or operating system information from one or more VIPs. The DET communicates with asset and object servers to develop an interactive multimedia application.³ Such an asset or object server is identified in Figure 9 as a prior art broadband network for providing interactive services.⁴ As shown in Figure 9, level 1 gateway 921 is provided for management functionality such as billing and session management. Likewise, a level 2 gateway is provided for supplying transmission of menus of available information to subscribers.⁵

In operation, dynamic programming of the DET is provided to dynamic programming includes generating an interactive decision list and an edit decision list. An example of such a dynamic programming would be to utilize the authoring tool on personal computer 1240 such that the user invokes assets and objects of the servers and integrates them into an interactive program. Specifically, the user can schedule the interactive modules of the invention to create or modify a stop word list to eliminate undesirable language.⁶

Conversely, Claim 1 recites an exemplary advancement in the art in which a broadcast signal transmitting apparatus includes a multiplexer which is configured to multiplex a broadcast signal and multimedia data. The multimedia data is described by a mark-up language and includes broadcast program information, link location information, control signals providing display control to a receiver, and control signals providing recording control to a recording medium onto which an image signal obtained from said broadcast signal is recorded. A transmitter is provided to transmit the broadcast signal and the multimedia data multiplexed to a receiver. While the Official Action has cited Figure 9 of

² Farris at column 14, lines 48-52.

³ Farris at column 15, lines 1-3.

⁴ Farris at column 15, line 65 through column 16, line 5.

⁵ Farris at column 17, lines 10-51.

⁶ Farris at column 20, lines 20-30.

Farris as describing the transmission of a multiplex broadcast signal together with a mark-up language, it is respectfully noted that no such system is shown or described in Figure 9. For example, while column 7, line 65 through column 8, line 27 of Farris refer to a “hypertext reference to an object”, this passage simply refers to functionality which may be provided during the editing of assets through a video editor. As can be appreciated, the transmission of a broadcast signal multiplexed together with mark-up language data is wholly different than creating multimedia objects at a production station.

With respect to Eyer, the outstanding Office Action cited multiplexer 115 as “a multiplexer” as defined in Claim 1. However, Eyer only describes that HTML/HTVP data 110 is multiplexed with programming services 105 by multiplexer 115. It is respectfully submitted that Eyer does not teach or suggest that HTML/HTVP data 110 includes (1) broadcast program information, (2) link location information, (3) control signals providing display control to a receiver, *and (4) control signals providing recording control to a recording medium onto which an image signal obtained from said broadcast signal is recorded* as recited in amended Claim 1. Thus, Eyer cannot teach or suggest “a multiplexer” as defined in Claim 1.

Consequently, it is respectfully submitted that amended Claim 1 and any claim depending therefrom is allowable over the Farris in view of Eyer. Likewise, as independent Claims 5, 8, 11, 14, 17, and, 20-22 recite substantially similar limitations as that discussed above, it is respectfully submitted that these claims and any corresponding dependent claims are likewise allowable over the Farris in view of Eyer.

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Accordingly, the pending claims are believed to be in condition for formal allowance.

An early and favorable action to that effect is respectfully requested.

Respectfully submitted,

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